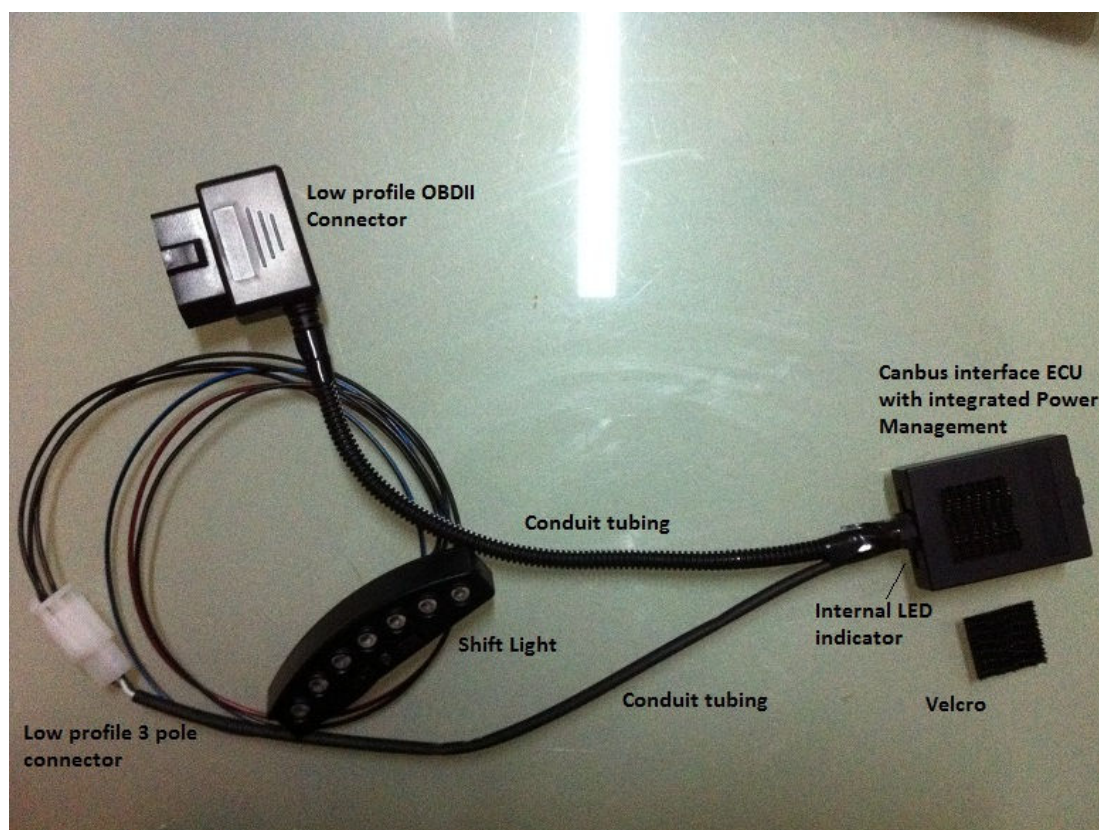


## F430 Progressive Shift Light User Guide

Thank you for purchasing the Plug and Play version of the F430 Progressive Shift Light. We hope you'll enjoy this additional device on your car.

The device can be easily installed on a F430 as no specific wiring is required. The rpm pulse used by the Shift-I display unit is translated every 50ms from the broadcasted data on the B-Can bus. This is achieved through a specific Can Bus interface included in this kit. The interface integrates also a power management feature. With only the ignition on, it will automatically power the Shift-I display unit. In this case, the battery voltage will be displayed. While the engine is cranked, the voltage drop can be observed. As soon as the engine is running, the Shift-I will switch into rpm display mode. By default, a range of 1.000 to 7000 rpm with steps of 1000 rpm is configured. You can change how the rpm values should be displayed like for instance from 6000 rpm to 8500 rpm with steps of 500 rpm. Please refer to the Shift-I user guide to discover many options which can be personalized.

### Installation instructions



The kit has two parts :

- The Shift-I Display Unit : connected to the Can Bus Interface ECU
- The Can Bus Interface ECU : connected to the F430 OBD-II diagnostics connector

## F430 Progressive Shift Light User Guide

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The display unit can easily fit on the flat part of the steering wheel column. There is enough space to place the unit right behind the F430 VIN without masking the dashboard. The kit contains also a strap of double face tape to glue the unit on the steering wheel column. Before applying the tape, make sure the surface is perfectly clean and degreased.



The 3 wires of the display unit can be installed between the dashboard and the steering wheel column up to the point they reach the back part of the dashboard, close to the OBD-II connector. If you have to adjust often the steering wheel, make sure that the wires cannot get damaged.

## F430 Progressive Shift Light User Guide

The interface itself, grace to a small Velcro, can be installed directly on the Immobilizer ECU (Blue Box), with the Interface loom facing downwards. The kit contains a 2 part Velcro, one part goes on the Interface while the other part can be installed on the Immobilizer ECU or on any other area under the dashboard.



Positioning the Interface downwards is important because it has a small internal LED indicator next to its connector. In this position, it will be easier to observe the operation of the LED.

Once the display unit wires and the Interface are installed, they can be connected together using the connector. You can attach the Shift-I Display Unit wires with the provided self-locking ties.



The Can Bus Interface is directly plugged on the F430 OBD-II connector.



# F430 Progressive Shift Light User Guide

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## Checking the installation

Maybe you've noticed that once the OBD-II connector is plugged, the Interface LED indicator will illuminate constantly. This is normal and will happen each time the connector is plugged, which is powering the Interface for the first time. In this case, the Interface will not go in sleep mode until you cycle at least once the ignition key.

The Can Bus Interface will power on automatically as soon as the ignition key is switched on grace to the F430 B-Can Bus activity detection. The LED indicator should flash constantly when Can Bus activity is detected. If the LED indicator is illuminated constantly while ignition is on, the Interface is functioning but can't detect the Can Bus activity. Make sure that the OBD-II connector is correctly plugged in.

If the LED fails to illuminate, the Interface is not powered. Make sure that the OBD-II connector is correctly plugged and/or the condition of the battery.

With ignition on, the Shift-I display unit will display the current battery voltage. As soon as the engine is running, the display unit will switch into rpm mode.

## Important

Please note that the display unit has been set with a **calibration value of 1** while the default value is 2. If you reset the unit to the factory default values (see the Shift-I User guide), please remind to set again the calibration value to 1.

As soon as the keys are removed from the ignition, the Can Bus Interface will switch off the Shift-I display unit. The Interface itself will go in sleep mode automatically after a while. Even if the keys are removed, the F430 Can Bus remains active for some time, especially the F1. After approximately 60 seconds, the LED indicator will stop illuminating and the Interface goes in sleep mode. There is no risk of emptying the battery in sleep mode as the Interface will drain only a couple of mA.

**ENJOY YOUR NEW DEVICE AND DRIVE SAFELY 😊**

## Disclaimer

This product may not be suitable or safe for road usage. The owner accepts ALL responsibility for its use and installation. The product must not be used if malfunction occurs, a suspected malfunction occurs and/or not configured correctly. If inappropriately placed, the headlights from another vehicle could cause the brightness to increase. It must not be used where it could obstruct the view of the operator or impair the vision. The owner/driver must test before use in all ambient light conditions to ensure any malfunction or display mode, such as all lights on at maximum brightness, does not impair the ability to safely operate the vehicle. The button controls must not be used while operating the vehicle.

*Only use if safe to do so and at your own risk*